

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (currently amended) A solar heat utilization stirling engine power generation plant comprising:

a Fresnel lens [[(1)]] for collecting a solar heat;
a quartz glass light guiding fiber [[(3)]] for guiding a heat source collected by the Fresnel lens [[(1)]] and having a temperature between about 600°C and about 2000°C to a predetermined place;
a stirling engine [[(4)]] driven by the heat source from the light guiding fiber [[(3)]]; and
a power generator [[(5)]] driven by the stirling engine [[(4)]] .

2. (currently amended) A solar heat utilization stirling engine power generation plant as claimed in claim 1, further comprising a tracking apparatus [[(2)]] for tracking the solar heat.

3. (currently amended) A solar heat utilization stirling engine power generation plant as claimed in claim 1 or 2, wherein a light receiving portion [[(31)]] of the light guiding fiber [[(3)]] receiving the solar heat from said Fresnel lens [[(1)]] is formed in an approximately conical shape in which a diameter is made larger in accordance with going close to the Fresnel lens [[(1)]].